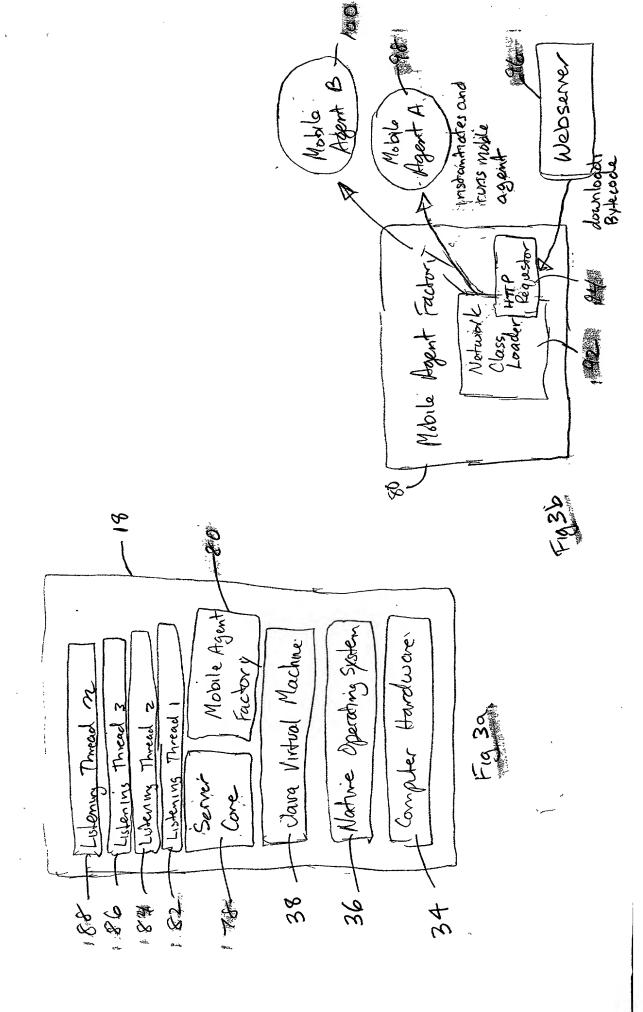
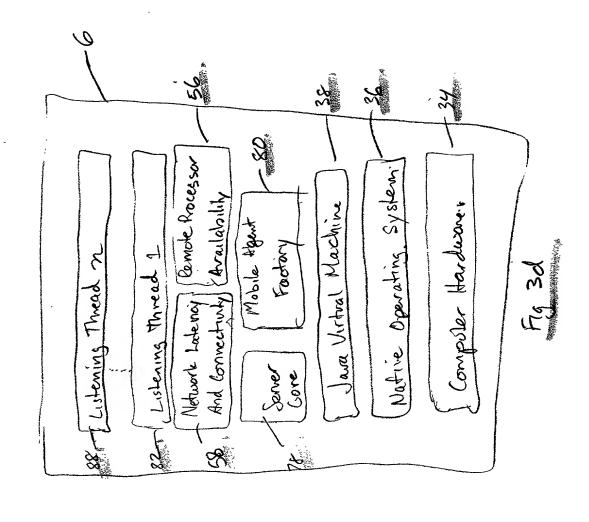
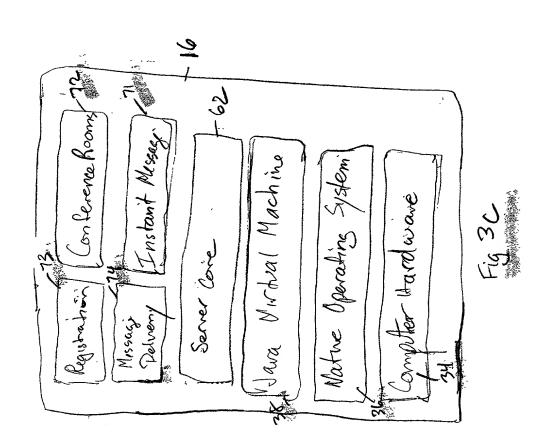


Flg 26

The state of the state of







Rome 30:

,

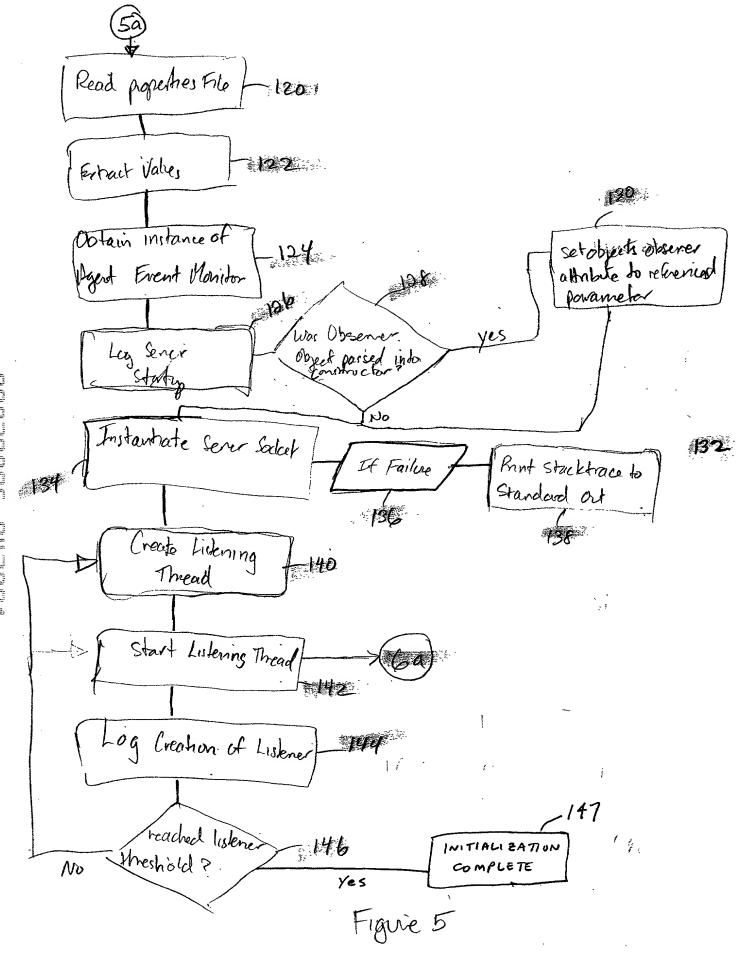
Server 2

Agent 1

Agent 7

Agent 12 II Debuggers
Floglaborators
Topic A
Agent 2 >, - time -> , - AM/PM -> , - Time Zone -> , - System Componed -; e process description >

Fig 4a



The Control of the term of the period of the term of t

150 Wait For Incomming Now Connection Connection Accepted And Sociat Obtained Obtain IP Address of Client Inshating 152 Log Client Connection Est Socket Input Stram the time and the time the time that the 158 Create Object Input Shean Hart Brita Street B Brita Street Read Senalized Object

Figure 6

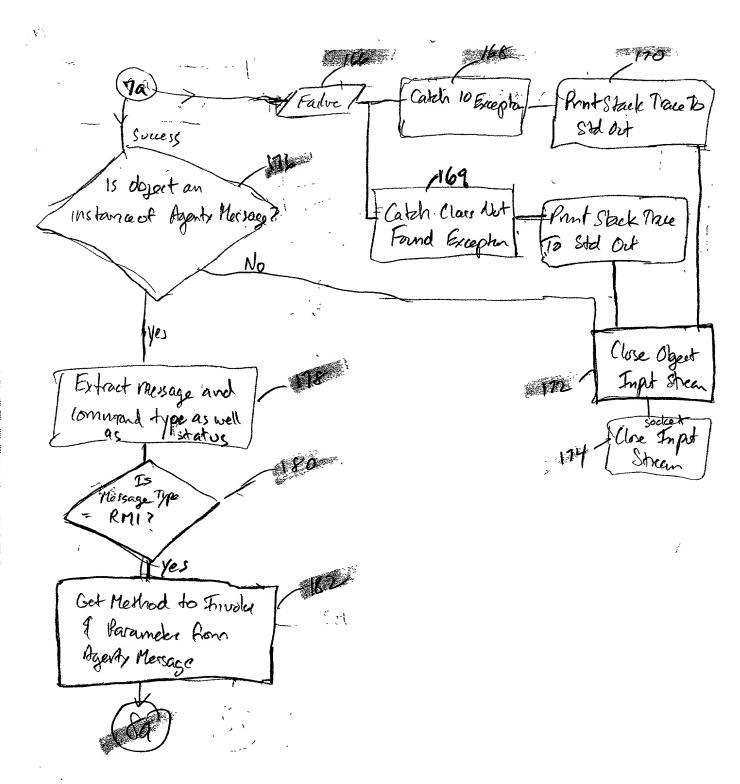
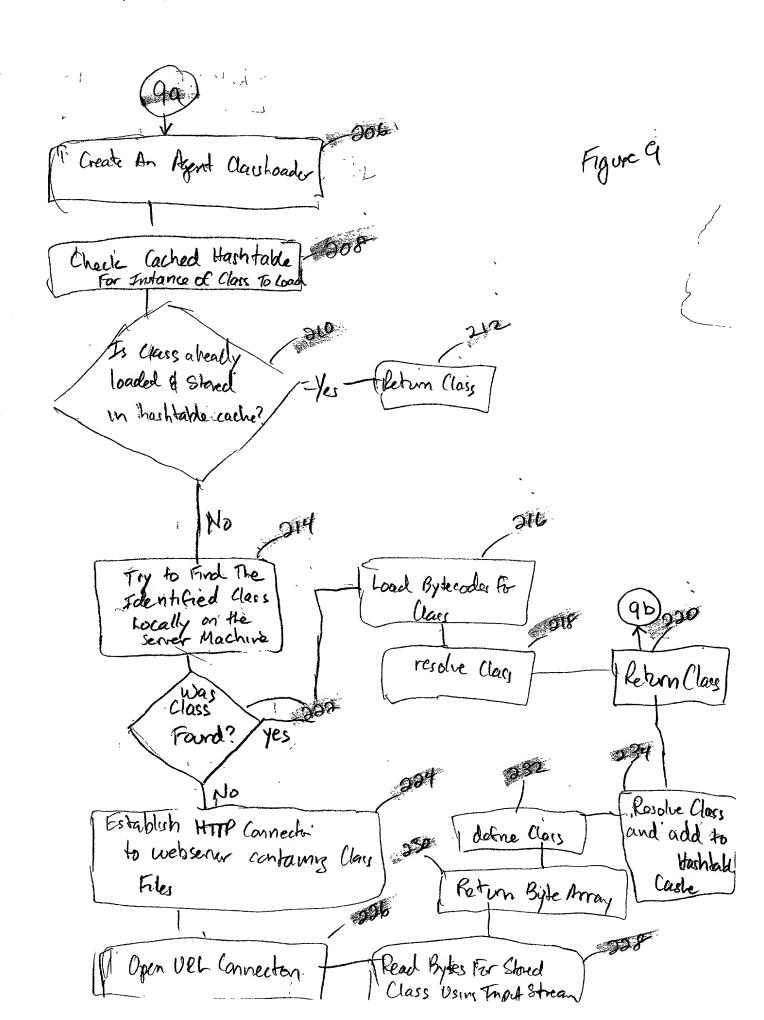


Figure 7

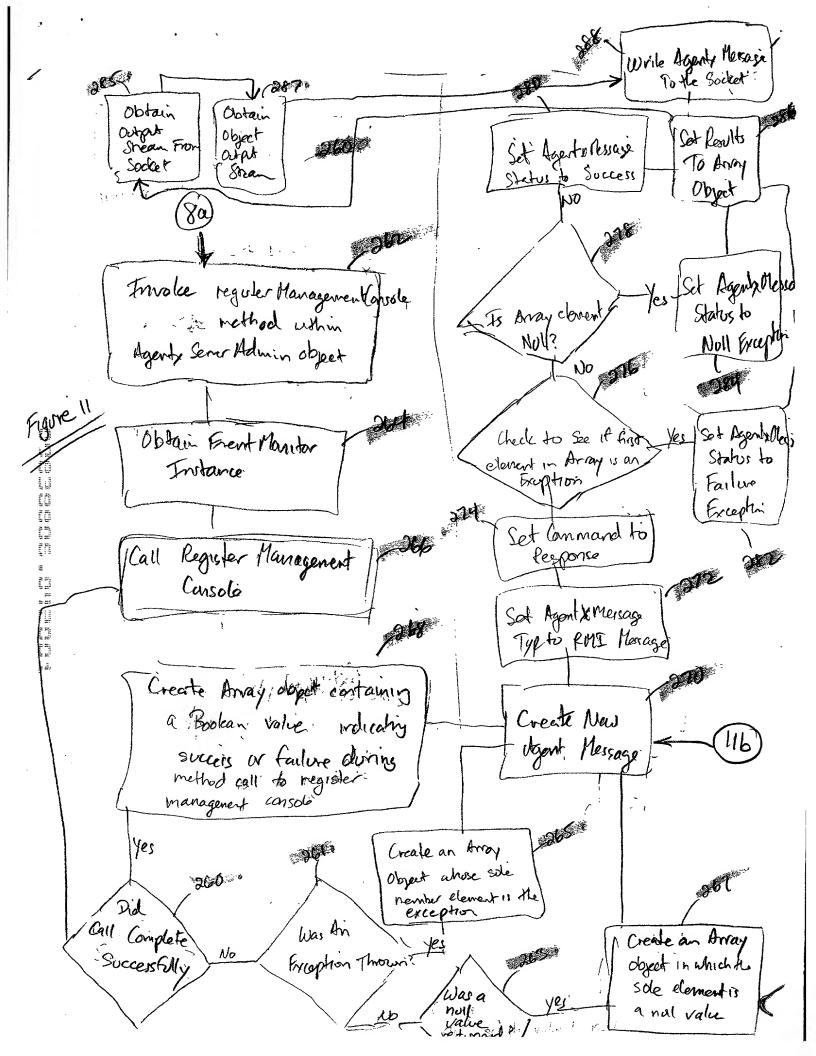
Figure &

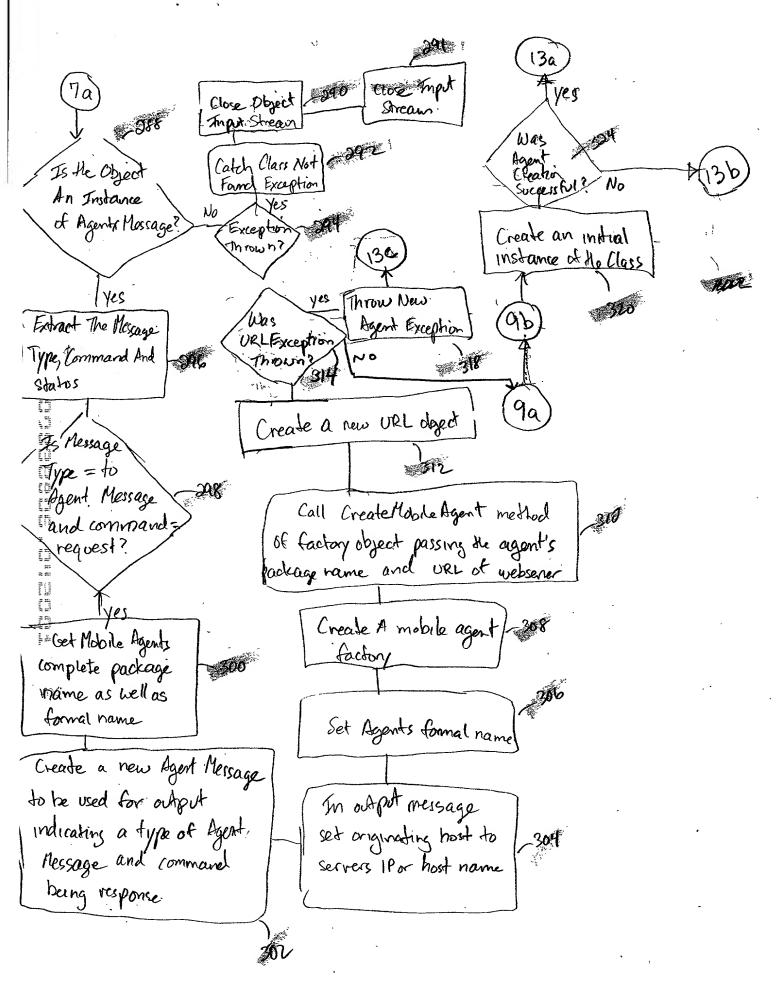
Illegal Access Exception



8a Involce get Running Agent Name wethood in Agenty Sener Admin object Create an brown object T) YIÒ containing the elements in the string array Le Event Monibis method the the the tent was that that the the get Running Agent Name, is called No oso Obtain skys from hoshtable ye! more keys? that lacks names of running 154 Marie Harris marie H. Harris agents on this server set value of 244 string array index corresponding to key Obtain size of hastables 252 declare an emphy array of + get next pex String objects from enumerate 246 15 size of hastable Create a string array equal in size to the >0?.. yes hash table No 250 Create a string array having one element with the value "none"

1





F16.12

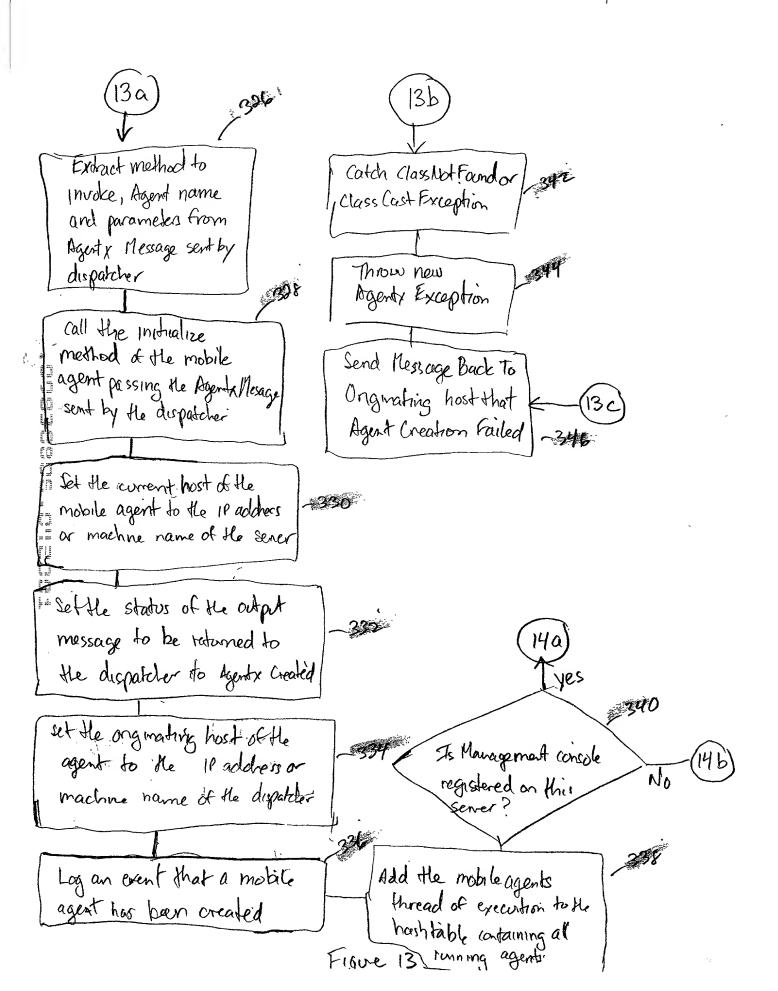


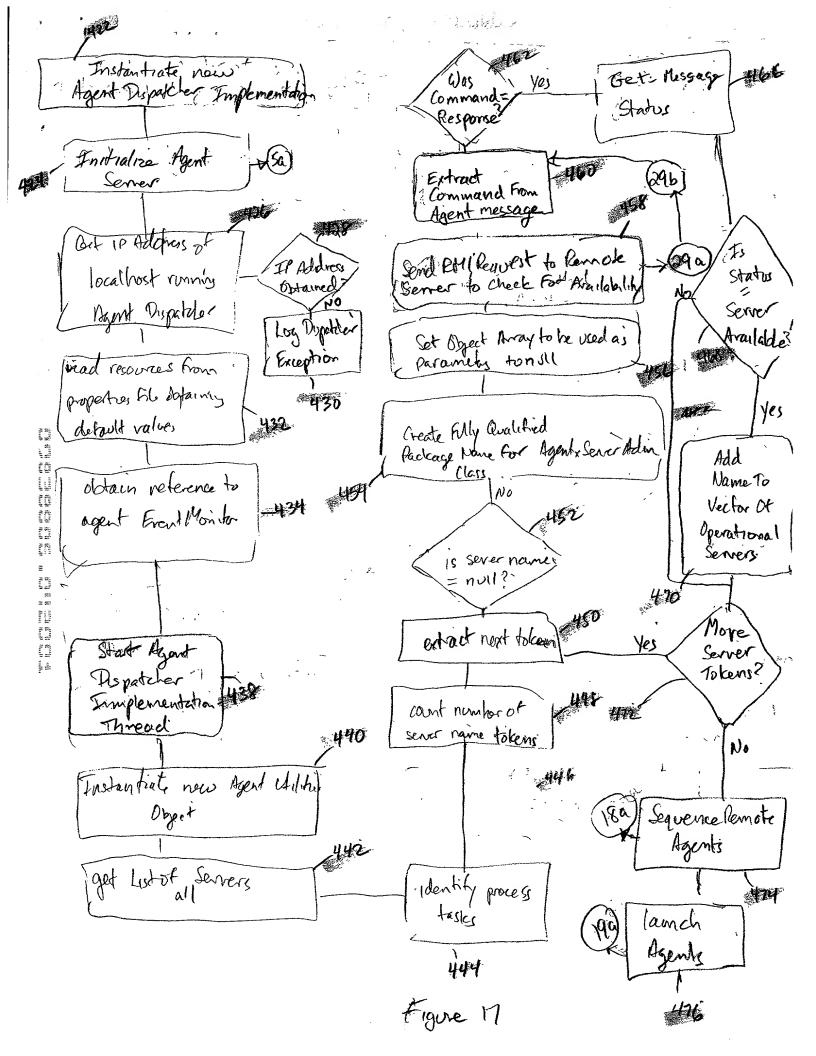


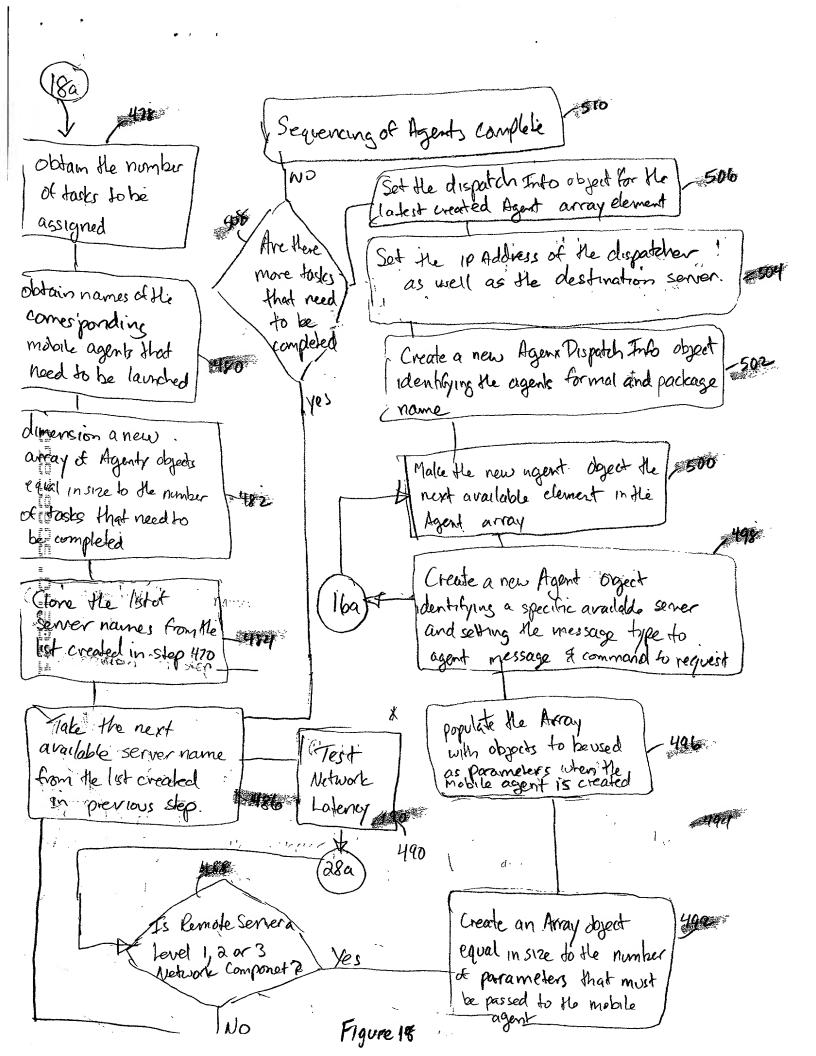
Figure 14

Create a new Figure 15 Agents Object where the message type is set to Admin message and the commandis glade Set the hostmane test fait of the Management console Set the origination host to the Serverthat just spanned the mobile agent. Set the value of the Agents farmal name to that of the mobile again Write the Agent Message encapsulated Listerns thrade I'm the Agent x object created in step 3te continue to was Set stars to finished the object output sheam. Which is for new rannoched to the Management regulasts Write the Hagent Message I remove the mobile agant Agent's Severs confaired with the Aggritz thead from the Deallo cates & object created is slep hashtable of runny Garbage collects to the output shean agents and set it, heromes used to This sends a menage to value equal tonvill run Agent the dispatcher that the agent has complicately and passes it the Rosult

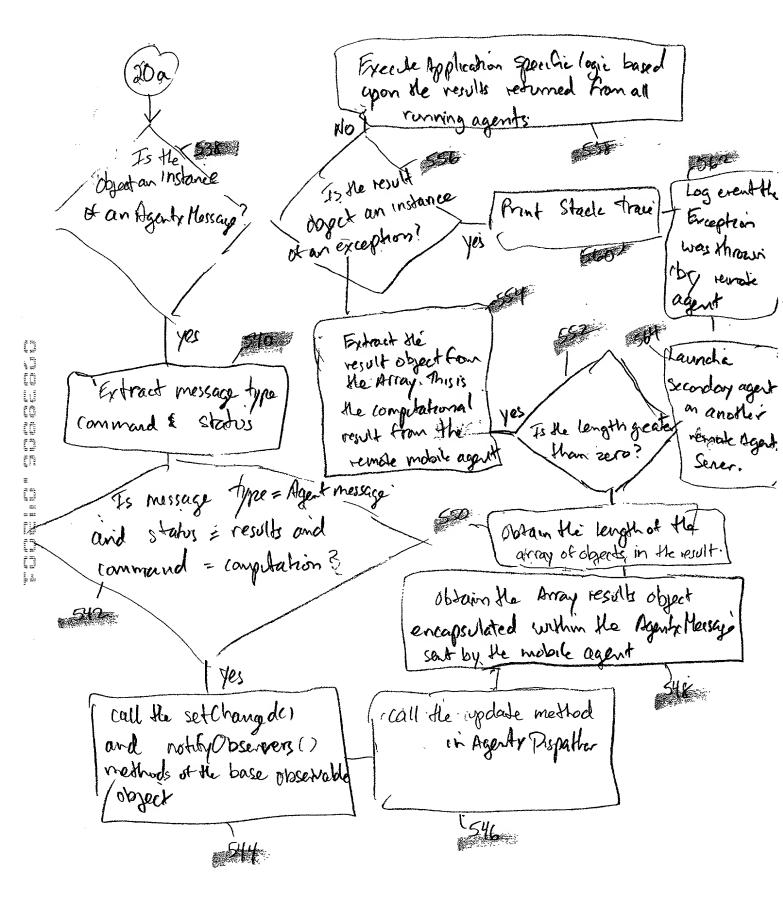
16 a Set the data altribute for 1 Log Exeptum the host to connect to to Cartch Socket He value paged into the constructor Exception 420 Obtain the default post no from a peoperhies file is data storage Catch IV Exception Create a new chent Exception side socket to the host & Thrown? port number premously identified No Obtavi inputstream & output sheams from the -40 opened socket Create a new Agent Mussage Set Bodean Flag setting the type to Agant Marsage Identifying that and command trabe to request Agent is ready to Launch

Figure 16

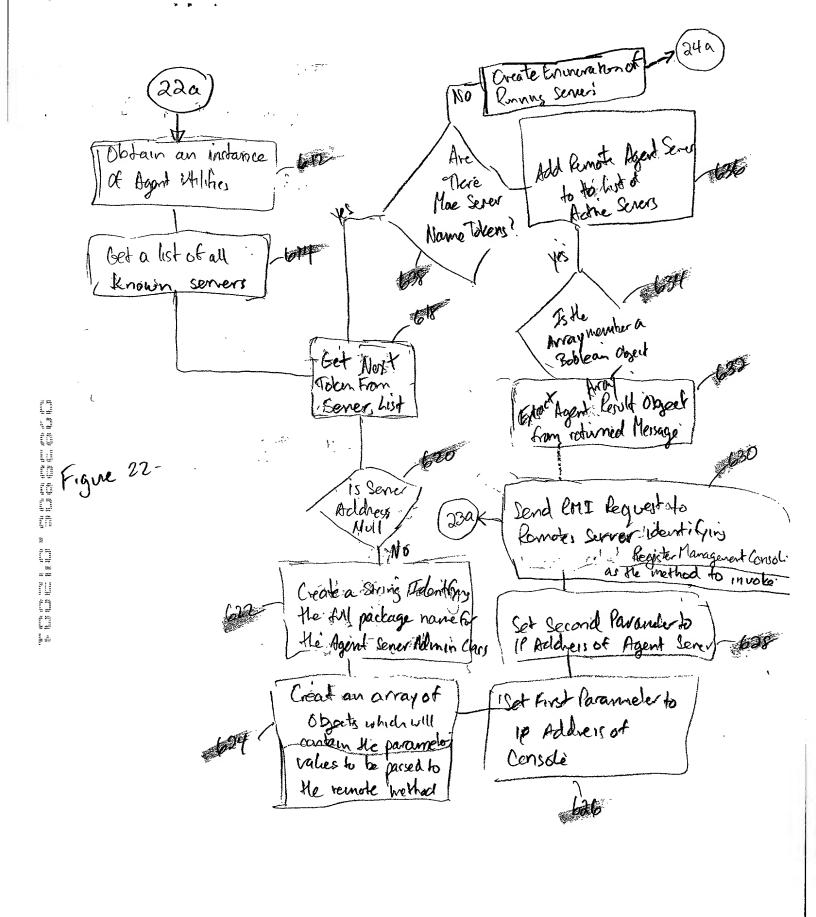




19a obtain the next available Figure 19 Agent object in the sequenced array involve the Agents gotoblocki) method lobtain the agents object] Add the Agent to the output stream hashlable of Runny unte le Agent Missage Exception Prints Stack moun? to the object atput Mac. \$27L No Wait for Assent Message Set Agents Comming Status -534 to five to be sent back by Sever Det the Agonts launched Attribute to tree Recient of Agents: Message Response from Sever yes 15 He type: Agustlenage and the status - Hypert Created Obtain the ressage type Status & Command and commend = lesponse?



F16.20



Extract Agent Perult Object
from Peturned Hessay Print Stack Trave Log Exception Create an agent object Thrown Is states Passing Madrine have While Makey Remote Call SUCCERTY and identifying the mexagetype Log Failveto as ROTE and the Command Bet Agent Missage Connect to remote thing the part of as Request Salvs Remote Agent Sever returns on Agent Message Open a social to be Get An Instance Exception of the Event Month Object destruction machine ťñ Thrown? YES 11 154 Exercise The Remote last Obtain an output that the way NO Helhod Mos Stream and input steam Lot Agent Parameter Create a New figent Remole Set He Method Agent Massac. Is Agent To Involce Passing the Mercage Ready To objet name Launch? Type & command 664 to the construction.

Figure 23

110~ Figure 24 642 get next server name for enumeration Add a new default Mutablithee Noda representing the remote Agent Serie Return Emmuration Character and to the existing root tree 250 of Agent Names mode called "servers", created ξŌ in slep 568. No Any More Add it to a Nector Names? Extract the Next Agend None from the area Create fully qualified package name for Azent Seren Admi Closs Is Amony Result = noll'? Dend on RMI request to Kemore The remote sensor indicating Array/Result object He method getlenning Agant Names From the Agent Hersage Returned from the Servi should be called

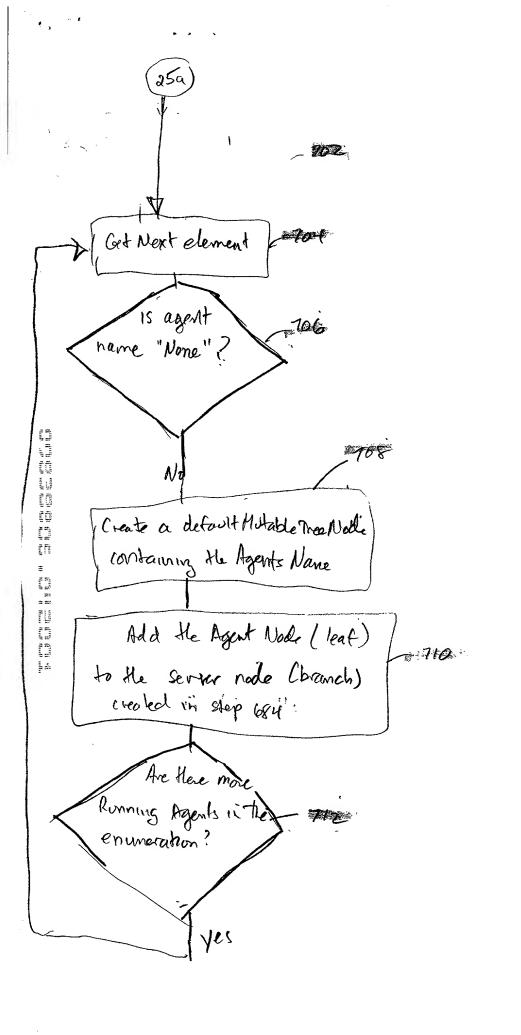
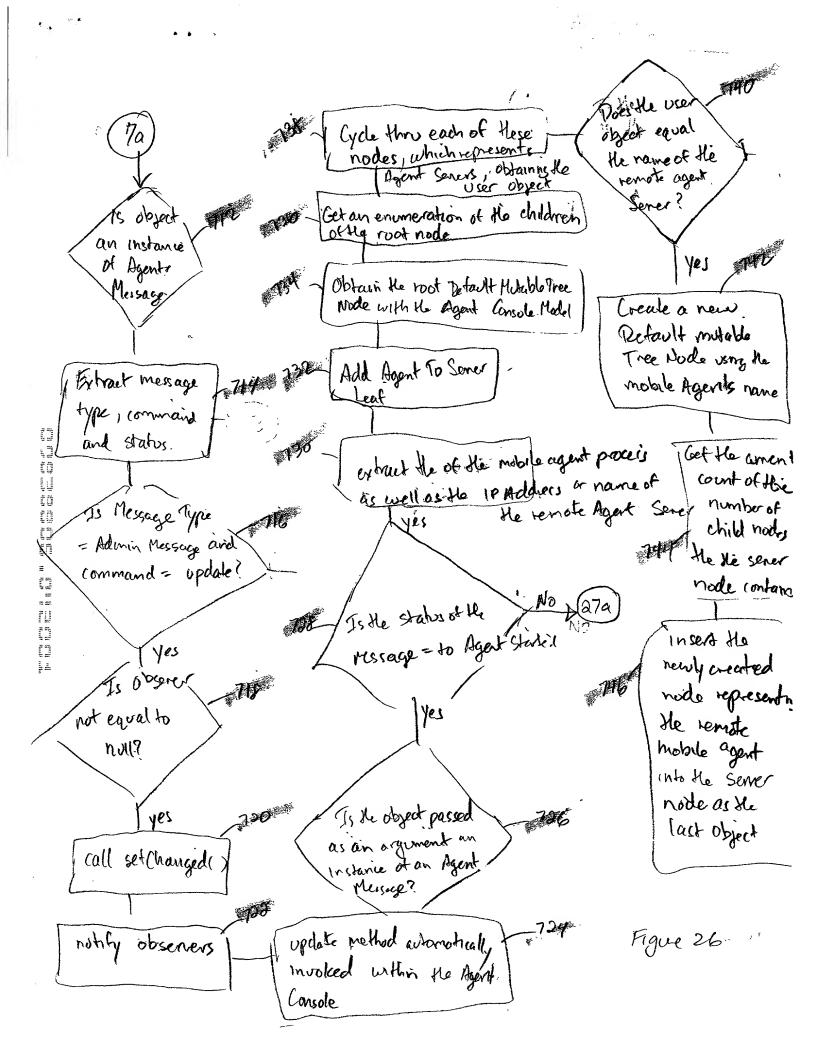
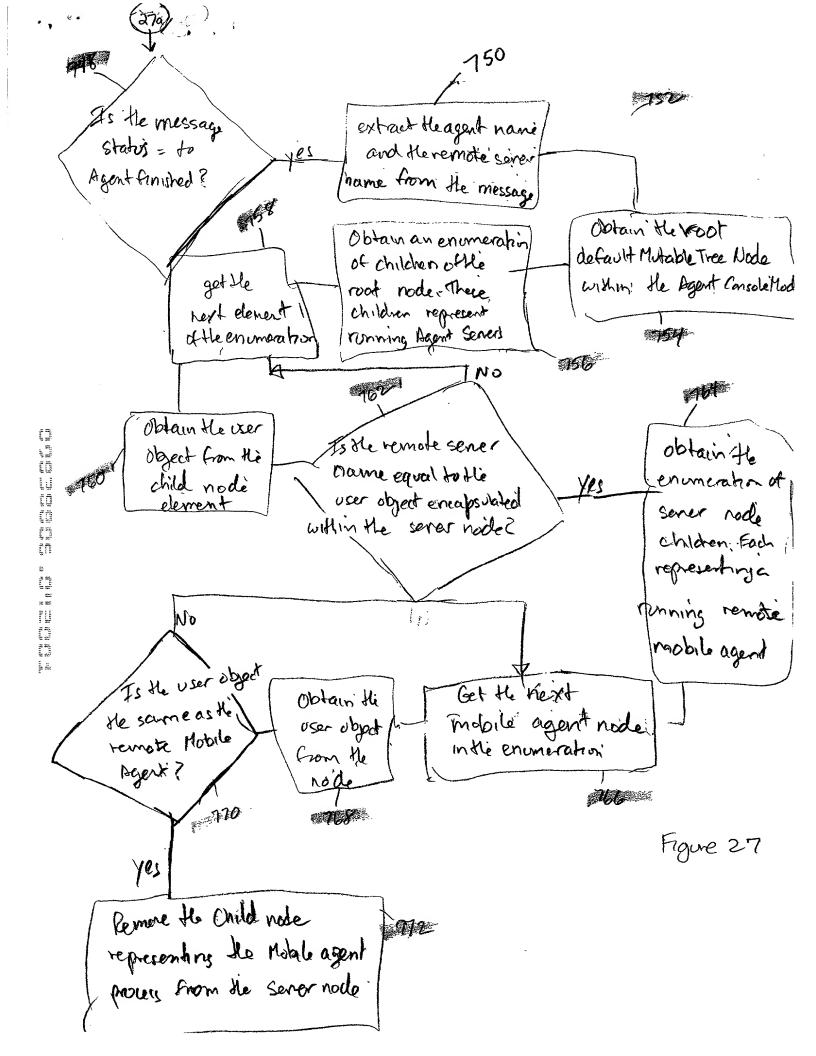


Figure 25 -





¥ 802. 28a Steep For Ping User Referred Interval Secondary yes. Algerty Sener enodic Monitor? 804 Wart For 814 Data Packets To Rate as Be letimed Rale Server Rale Sener Rate Server level As level 3 As herel 2 or Timeat to as herel 1 4 component Component Occur Compagent component Yes Average Aherage Elapsod **Elapsed** 816 Were) Avenue 818 Elapsel all is the data Time No Tinge No packels recipied Time -1000ms7 2100 ms? back by the loms ongivaand the state of t No No 826 828 Was this And the first that the Hird remove Sence according. Yes From Active of lost Lux data? Bulk had Man H R Balk 832 NO Was this No third occurance of latent response?

Figure 28

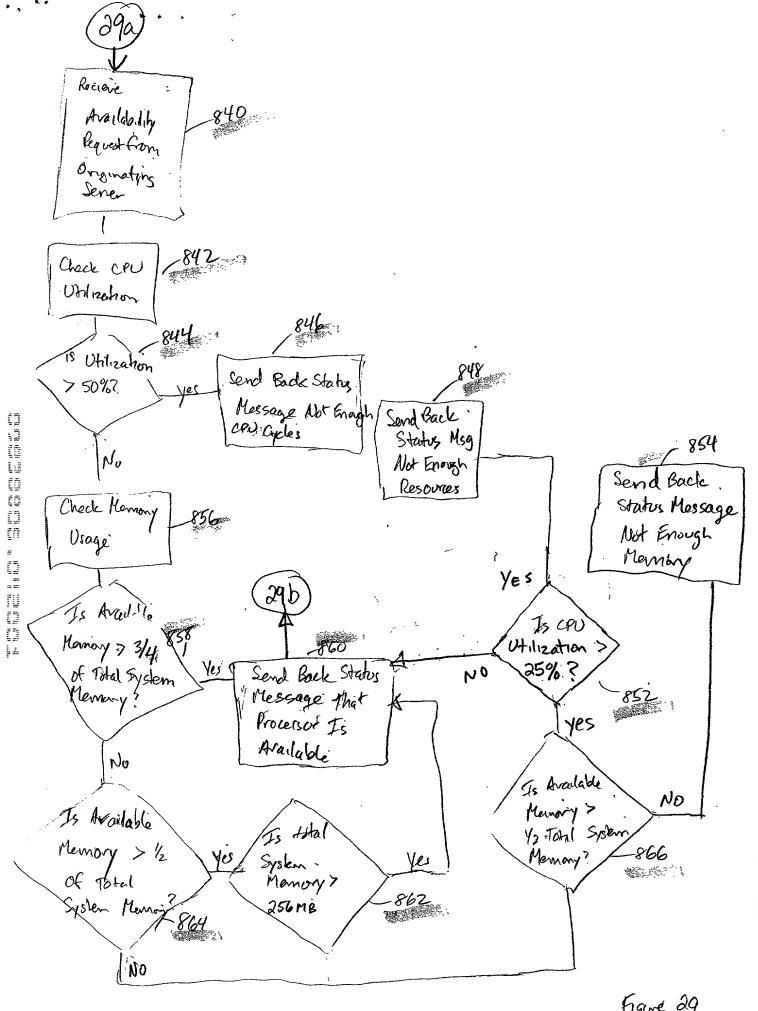
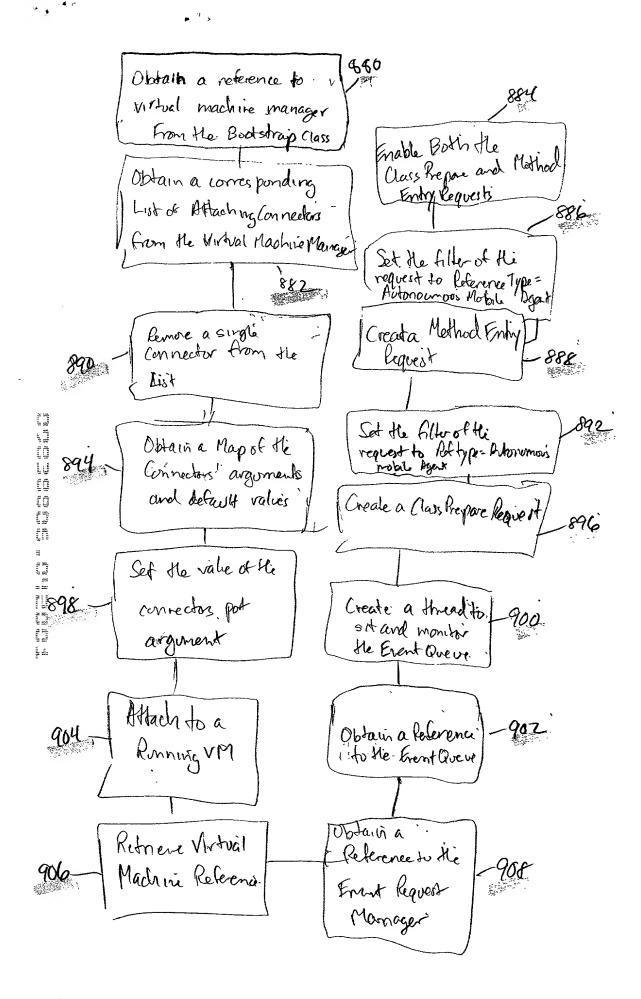
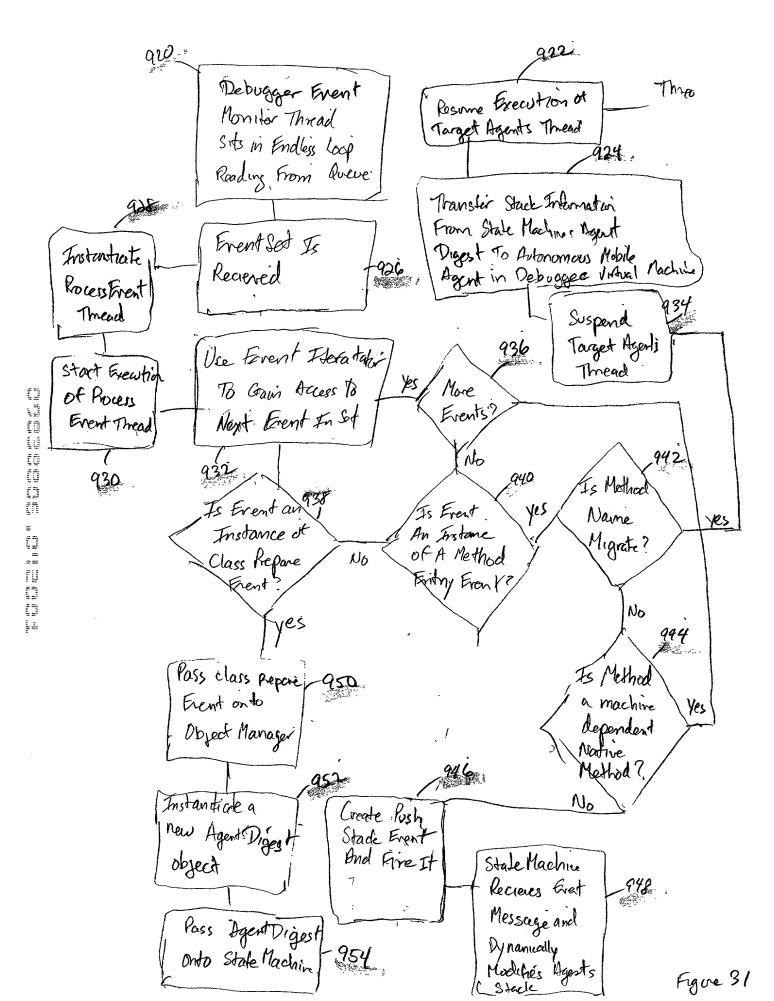


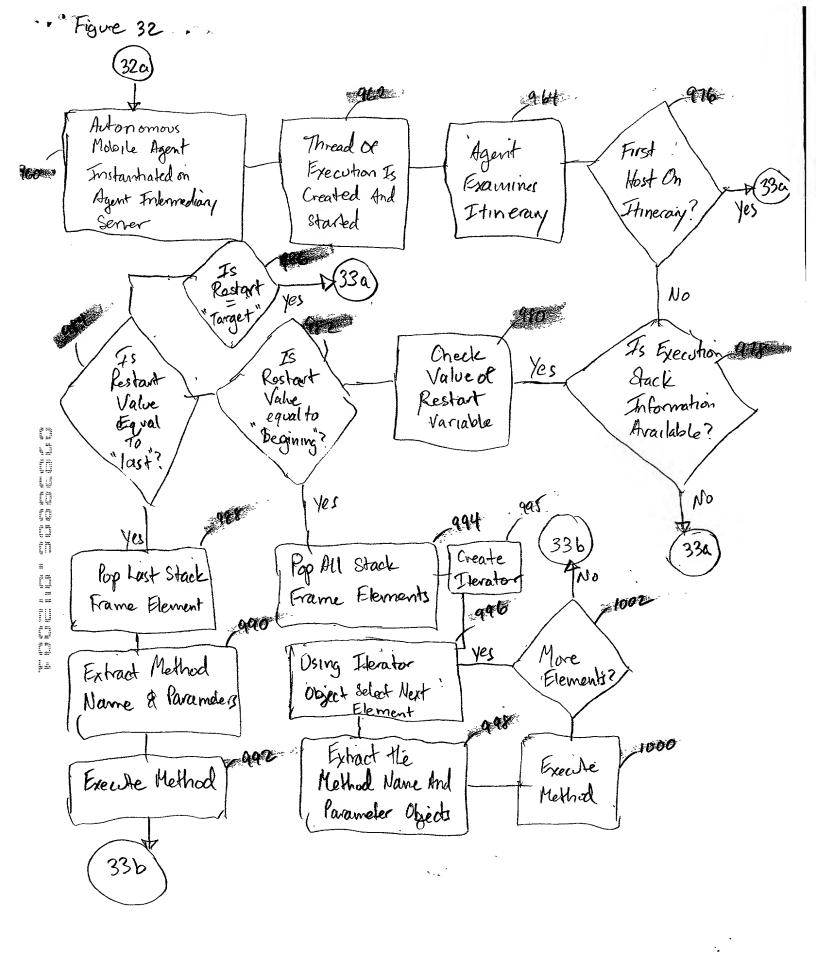
Figure 29

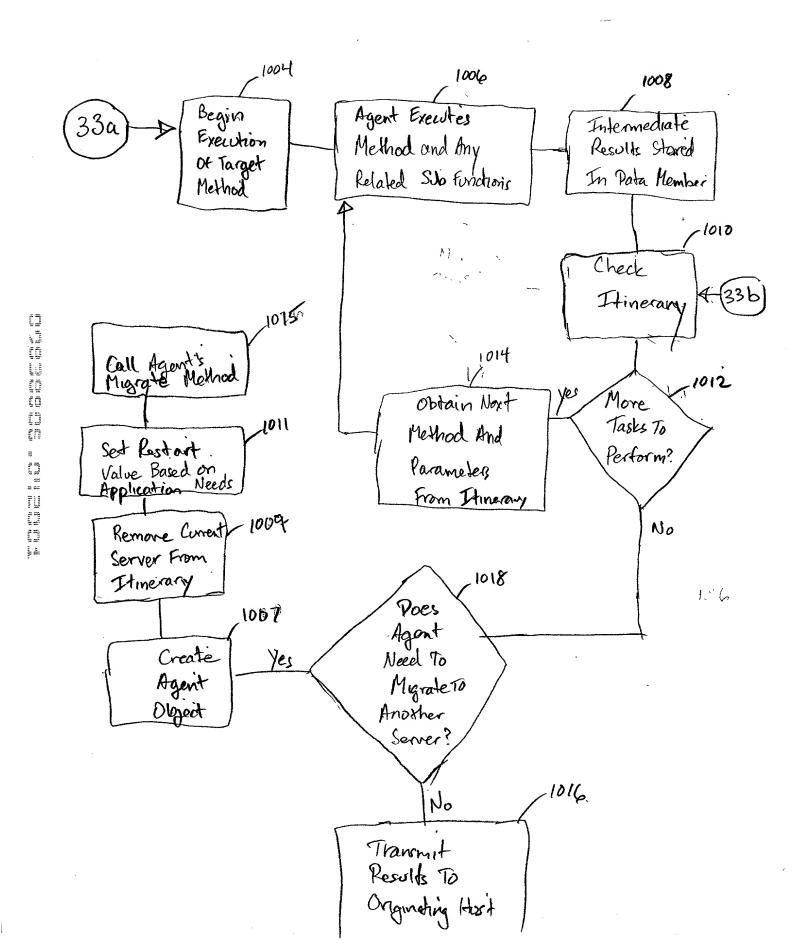


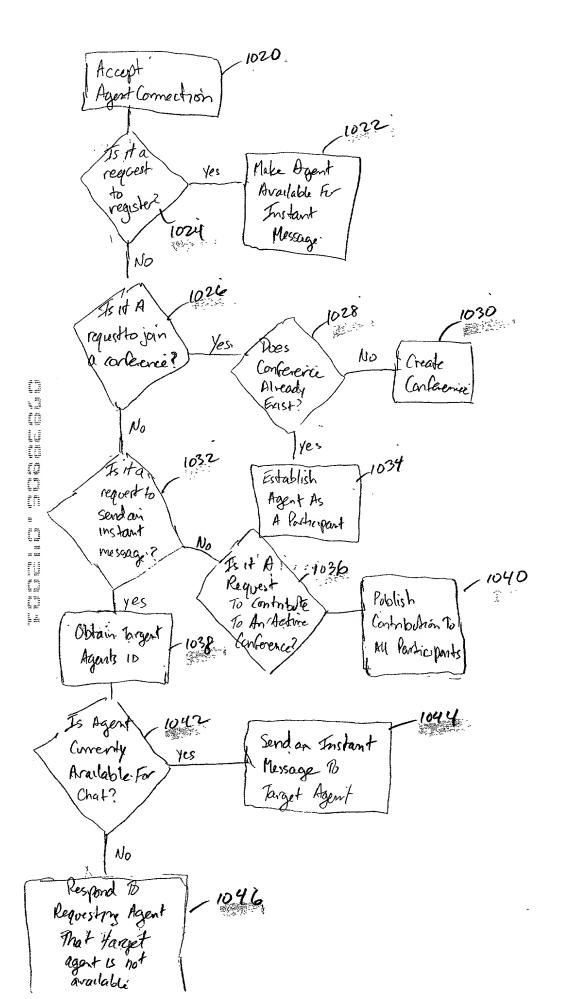
A BURE



***** 1







3 3 de 5